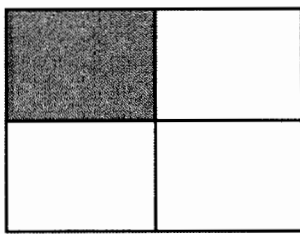


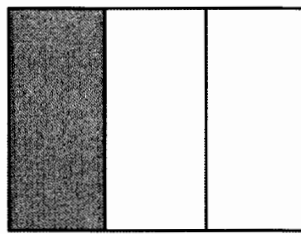


# Comparing Fractions

Look at the shaded areas of the pictures below and write the corresponding fractions. Then answer the questions.



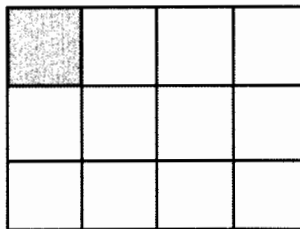
**A**



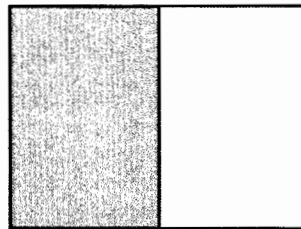
**B**



Which fraction is smaller?



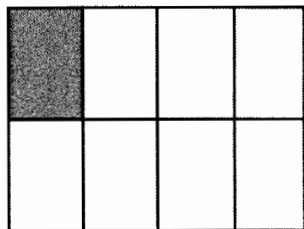
**A**



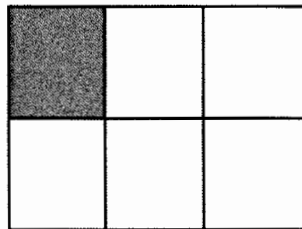
**B**



Which fraction is greater?



**A**



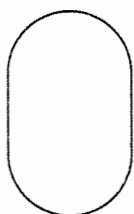
**B**



Which fraction is smaller?

---

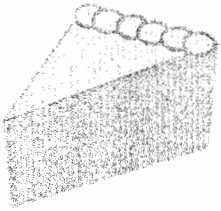
Now order the fractions above from largest to smallest.



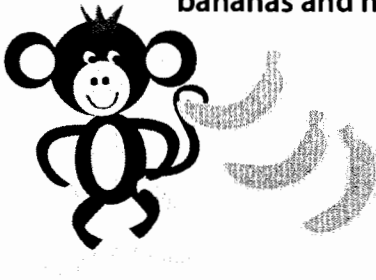
# Who Ate More?

Find out who ate more by comparing the fractions in each question.

Lucy and Judy each had a pie of equal size. Lucy divided her pie into 6 equal slices and ate 2 of them. Judy divided her pie into 4 slices and ate 3 of them. Who ate more pie?



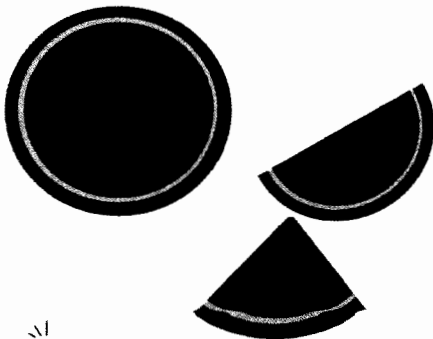
Mick the monkey had 10 bananas. He ate two-fifths of them. Mikey the monkey also had 10 bananas and he ate half of them. Which monkey ate more bananas?



Pete bought 8 bags of popcorn and ate three-fourths of them. Sandra bought 6 bags of popcorn and ate two-thirds of them. Who ate more popcorn?



Tanya and Shawna each had one watermelon of equal size. Tanya divided hers into 12 equal slices and ate 8 of them. Shawna divided hers into 20 slices and ate 15 of them. Who ate more watermelon?



# Writing Fractions

Answer the questions below with the correct fraction.



Aunt Marie baked 6 cupcakes. 4 of them are strawberry cupcakes.  
What fraction of her cupcakes are strawberry?

.....

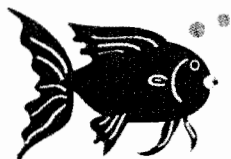
\_\_\_\_\_



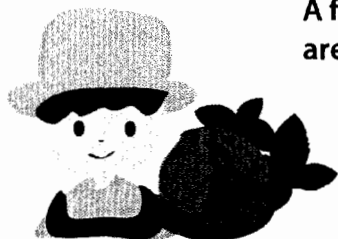
Jimmy bought 12 cans of soda. 3 of them are orange flavored.  
What fraction of soda is orange flavored?



Joey has 10 chocolates. 6 of them have almonds.  
What fraction of chocolates have almonds?



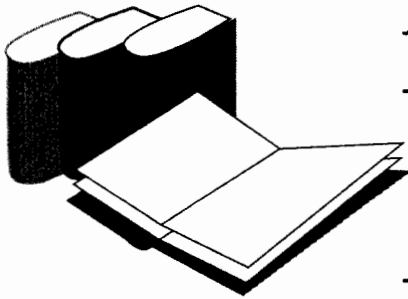
Dolly has 7 fish. 2 of them are goldfish. What fraction of her fish are goldfish?



A farmer grows 15 plants. 4 of them are cabbages. What fraction of his plants are cabbages?

# Who Has More?

Read the sentences below and write the corresponding fractions.  
Then answer the questions. See the example.



There are 4 books in the classroom.  
Joey read 1 of them. Toby read 2 of them.

The fraction of books that Joey read is

$$\frac{1}{4}$$

The fraction of books that Toby read is

$$\frac{2}{4}$$

What fraction is greater? \_\_\_\_\_



I found 5 letters in the mail today.  
3 of them were sent to me. 2 of them were sent to my brother.

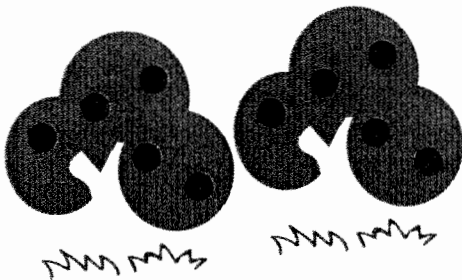
The fraction of letters I received is

\_\_\_\_\_

The fraction of letters my brother received is

\_\_\_\_\_

What fraction is greater? \_\_\_\_\_



There are 10 apples in the garden.  
Nancy picked 4 of them. Josh picked 5 of them.

The fraction of apples that Nancy picked is

\_\_\_\_\_

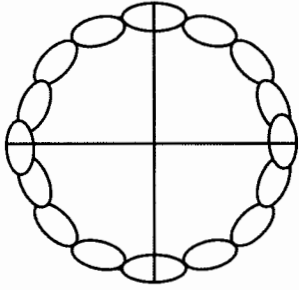
The fraction of apples that Josh picked is

\_\_\_\_\_

What fraction is greater? \_\_\_\_\_

# Pies and Brownies

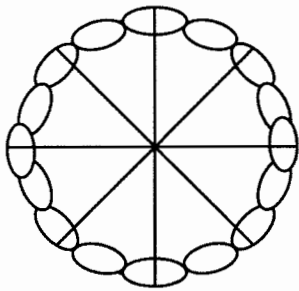
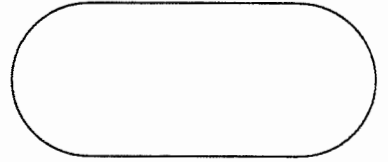
Color the desserts according to the fractions shown. Then answer the questions.



$$\frac{4}{4}$$

Kyle and Bill shared a whole pie.  
They ate  $\frac{4}{4}$  of the pie.

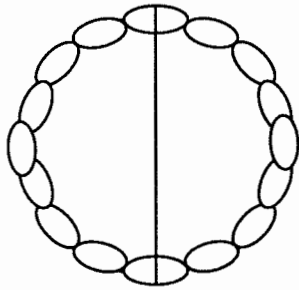
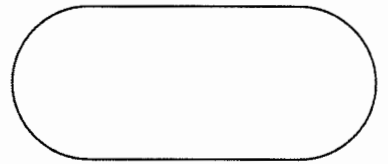
How much of the pie did they eat?



$$\frac{8}{8}$$

Rose and Jane shared a whole pie.  
They ate  $\frac{8}{8}$  of the pie.

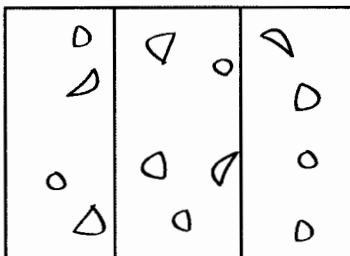
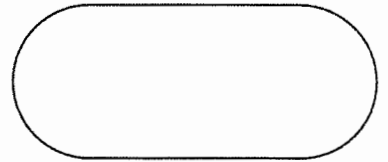
How much of the pie did they eat?



$$\frac{1}{2}$$

Rose and Jane shared a whole pie.  
They ate  $\frac{1}{2}$  of the pie.

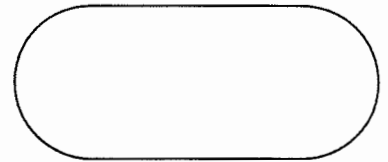
How much of the pie was left?



$$\frac{2}{3}$$

Tim and Ted shared a whole brownie.  
They ate  $\frac{2}{3}$  of the brownie.

How much of the brownie was left?



# Writing Fractions: $\frac{1}{4}$

Answer the questions below.

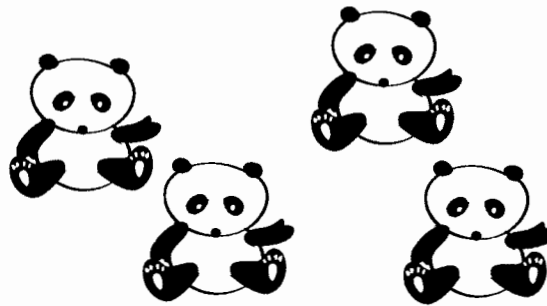
Example:

How many pandas are there?

4

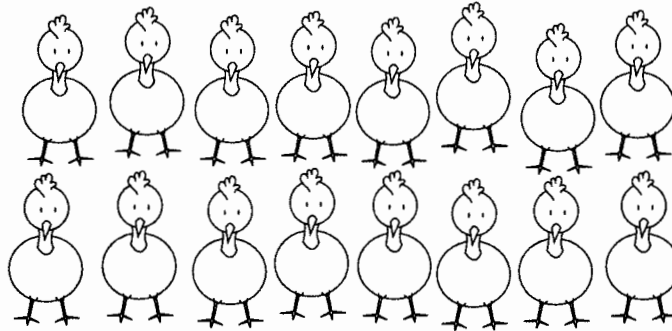
What is  $\frac{1}{4}$  of these pandas?

$$\frac{1}{4} \text{ of } 4 = 1$$



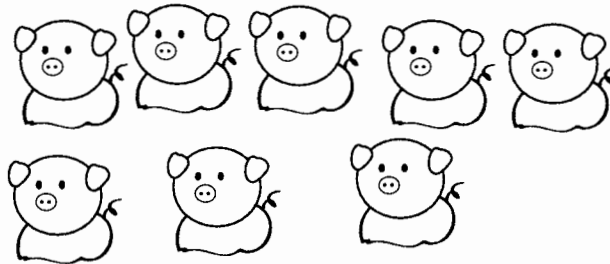
How many chicken are there?

What is  $\frac{1}{4}$  of these chicken?



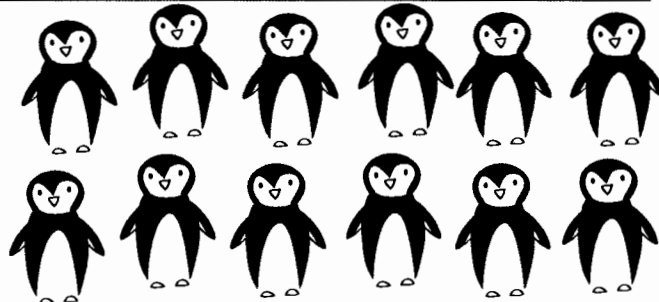
How many pigs are there?

What is  $\frac{1}{4}$  of these pigs?



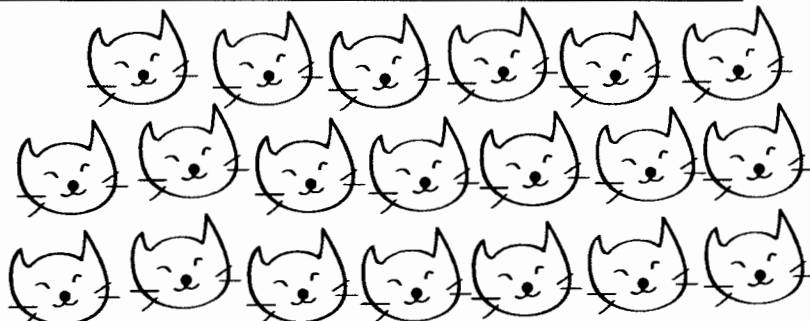
How many penquins are there?

What is  $\frac{1}{4}$  of these penquins?



How many cats are there?

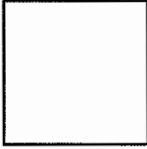
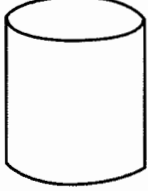
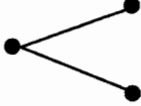
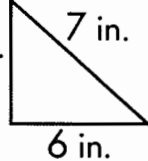
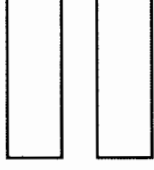
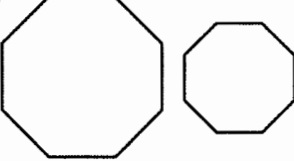
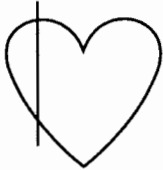
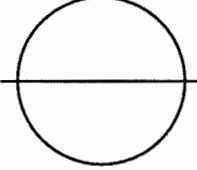
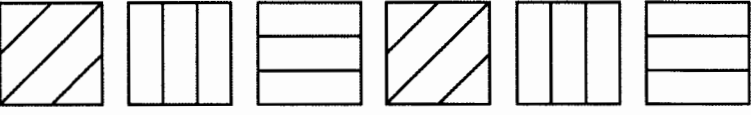



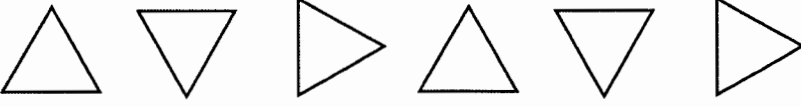



What is  $\frac{1}{4}$  of these cats



# Shape and Pattern Review

Name \_\_\_\_\_ Date \_\_\_\_\_

Fill in the circle next to the correct answer.

1. 	<input type="radio"/> a) square <input type="radio"/> b) sphere <input type="radio"/> c) rectangle
2. 	<input type="radio"/> a) circle <input type="radio"/> b) sphere <input type="radio"/> c) cylinder
3. 	<input type="radio"/> a) triangle <input type="radio"/> b) angle <input type="radio"/> c) rectangle
4.  What is the perimeter?	<input type="radio"/> a) 11 in. <input type="radio"/> b) 13 in. <input type="radio"/> c) 18 in.
5. 	<input type="radio"/> a) congruent <input type="radio"/> b) not congruent <input type="radio"/> c) symmetrical
6. 	<input type="radio"/> a) congruent <input type="radio"/> b) not congruent <input type="radio"/> c) symmetrical
7. 	<input type="radio"/> a) symmetrical <input type="radio"/> b) not symmetrical <input type="radio"/> c) congruent
8. 	<input type="radio"/> a) symmetrical <input type="radio"/> b) not symmetrical <input type="radio"/> c) congruent
9. 	<input type="radio"/> a)  <input type="radio"/> b)  <input type="radio"/> c) 
10. 	<input type="radio"/> a)  <input type="radio"/> b)  <input type="radio"/> c) 

# Fractions Review

Name \_\_\_\_\_ Date \_\_\_\_\_


Fill in the circle next to the correct fraction.

1. Six out of seven cupcakes have white frosting. What fraction of cupcakes have white frosting?  
☐ a)  $\frac{3}{7}$       ☐ b)  $\frac{1}{7}$       ☐ c)  $\frac{6}{7}$       ☐ d)  $\frac{1}{6}$
2. Nine pies were baked. Five have apple filling. What fraction of pies do not have apple filling?  
☐ a)  $\frac{5}{9}$       ☐ b)  $\frac{4}{9}$       ☐ c)  $\frac{3}{9}$       ☐ d)  $\frac{4}{5}$
3. Five batches of cookies burned. Two batches did not. What fraction of cookies burned?  
☐ a)  $\frac{2}{7}$       ☐ b)  $\frac{2}{5}$       ☐ c)  $\frac{5}{7}$       ☐ d)  $\frac{1}{5}$
4. Eight cakes were baked. Three are chocolate. What fraction of cakes are not chocolate?  
☐ a)  $\frac{5}{8}$       ☐ b)  $\frac{1}{8}$       ☐ c)  $\frac{3}{8}$       ☐ d)  $\frac{3}{5}$
5. There are ten donuts on a tray. Four have sprinkles. What fraction of donuts have sprinkles?  
☐ a)  $\frac{4}{6}$       ☐ b)  $\frac{6}{10}$       ☐ c)  $\frac{1}{4}$       ☐ d)  $\frac{4}{10}$
6. Seven danish have icing. Two do not. What fraction of danish have icing?  
☐ a)  $\frac{2}{9}$       ☐ b)  $\frac{7}{9}$       ☐ c)  $\frac{2}{7}$       ☐ d)  $\frac{1}{9}$
7. Four loaves of bread have poppy seeds. Three do not. What fraction of the loaves have poppy seeds?  
☐ a)  $\frac{1}{4}$       ☐ b)  $\frac{3}{4}$       ☐ c)  $\frac{3}{7}$       ☐ d)  $\frac{4}{7}$

# Geometry Review (I)

Name \_\_\_\_\_ Date \_\_\_\_\_

Fill in the circle next to the correct answer.

1.  $\overrightarrow{CD}$  means \_\_\_\_\_.  
☐ a) ray CD      ☐ c) line segment CD  
☐ b) line CD      ☐ d) angle CD
2. Lines that are the same distance apart but never touch are called \_\_\_\_\_.  
☐ a) perpendicular      ☐ c) parallel  
☐ b) line segments      ☐ d) angles
3. How many endpoints does a ray have?  
☐ a) 0      ☐ c) 2  
☐ b) 1      ☐ d) 3
4.  These lines are \_\_\_\_\_.  
☐ a) parallel      ☐ c) perpendicular  
☐ b) acute      ☐ d) obtuse
5. An endpoint shared by two rays is a(n) \_\_\_\_\_.  
☐ a) angle      ☐ c) acute  
☐ b) vertex      ☐ d) polygon
6. Which of these is not a polygon?  
☐ a) triangle      ☐ c) rectangle  
☐ b) circle      ☐ d) square
7. A nonagon has \_\_\_\_\_ sides.  
☐ a) 9      ☐ c) 10  
☐ b) 7      ☐ d) 8
8. A quadrilateral has \_\_\_\_\_ sides.  
☐ a) 6      ☐ c) 3  
☐ b) 4      ☐ d) 7
9. A heptagon has \_\_\_\_\_ sides.  
☐ a) 5      ☐ c) 7  
☐ b) 9      ☐ d) 10
10. Which polygon has six sides?  
☐ a) heptagon      ☐ c) octagon  
☐ b) pentagon      ☐ d) hexagon
11. A triangle with 3 equal sides is \_\_\_\_\_.  
☐ a) obtuse      ☐ c) equilateral  
☐ b) acute      ☐ d) parallel
12. A scalene triangle has \_\_\_\_\_ equal sides.  
☐ a) 3      ☐ c) 2  
☐ b) 0      ☐ d) 1

# Geometry Review (II)

Name \_\_\_\_\_ Date \_\_\_\_\_

Fill in the circle next to the correct answer.

1.  $\angle$  RST means \_\_\_\_\_.  
☐ a) triangle RST      ☐ c) line RST  
☐ b) angle RST      ☐ d) ray RST
2. The symbol  $\perp$  means \_\_\_\_\_.  
☐ a) symmetrical to      ☐ c) parallel to  
☐ b) congruent to      ☐ d) perpendicular to
3. An obtuse angle is \_\_\_\_\_  $90^\circ$ .  
☐ a) more than      ☐ c) less than  
☐ b) equal to      ☐ d) close to
4. A right angle is \_\_\_\_\_  $90^\circ$ .  
☐ a) more than      ☐ c) less than  
☐ b) equal to      ☐ d) close to
5. Which letter has a line of symmetry?  
☐ a) J      ☐ c) H  
☐ b) Q      ☐ d) F
6. Congruent means having the same \_\_\_\_\_.  
☐ a) size and angle      ☐ c) shape  
☐ b) size and shape      ☐ d) angle and shape
7. A square whose sides each equal 3 cm. has a perimeter of \_\_\_\_\_.  
☐ a) 9 cm.      ☐ c) 12 cm.  
☐ b) 12 m.      ☐ d) 6 cm.
8. The perimeter of a pentagon whose sides all equal 7 ft. is \_\_\_\_\_.  
☐ a) 42 ft.      ☐ c) 35 ft.  
☐ b) 25 ft.      ☐ d) 49 ft.
9. The perimeter of a triangle whose sides all measure 8 m. is \_\_\_\_\_.  
☐ a) 24 m.      ☐ c) 16 m.  
☐ b) 32 m.      ☐ d) 24 cm.
10. How many polygons are in a group of 3 triangles, 2 squares, 5 circles, and 4 nonagons?  
☐ a) 14      ☐ c) 10  
☐ b) 9      ☐ d) 12
11. The perimeter of a decagon whose sides all equal 12 cm. is \_\_\_\_\_.  
☐ a) 118 cm.      ☐ c) 120 cm.  
☐ b) 144 cm.      ☐ d) 96 cm.

# MAIL CALL! #1

How many letters are there below? \_\_\_\_\_

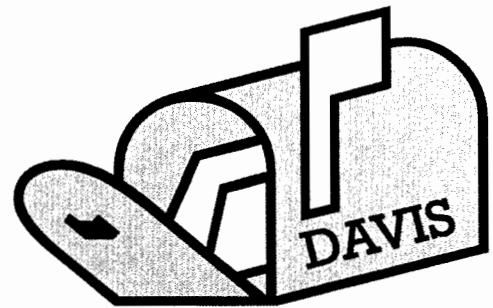
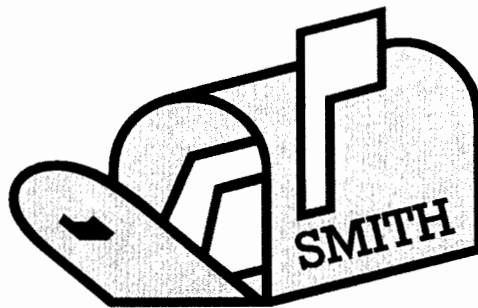
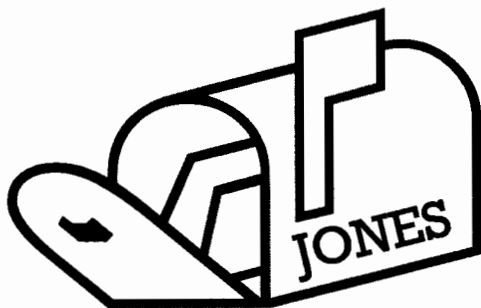
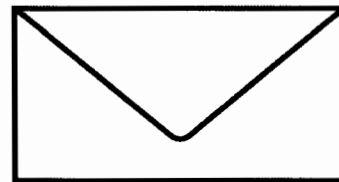
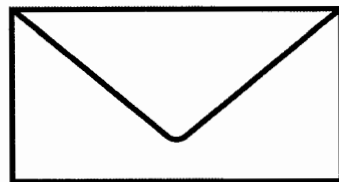
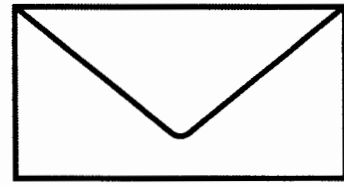
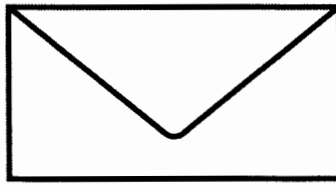
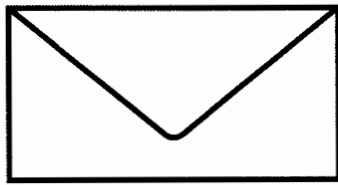
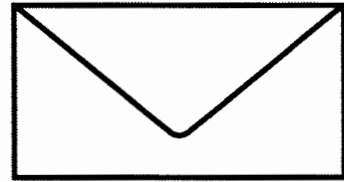
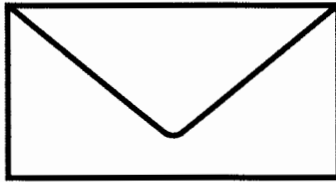
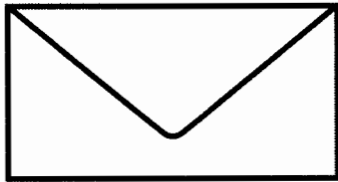
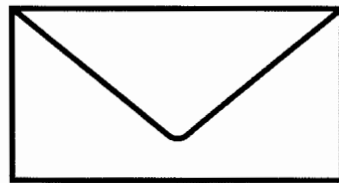
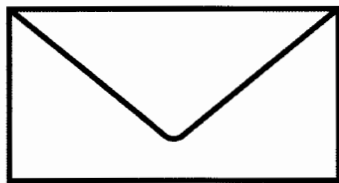
**Half** of the letters go to the Jones family. Color them **RED**.

How many letters are left? \_\_\_\_\_

**2/5** of the remaining letters go the Smith family. Color them **BLUE**.

How many letters are left? \_\_\_\_\_

**1/3** of the remaining letters go the Davis family. Color them **GREEN**.



[4] 下面各式中的图形各表示什么数字，请在竖式的□中填上合适的数字。

1.

△	⊙
+	⊙
□	◇

1 4	□ □	□ □	□ □
+ 4 6	+ □ □	+ □ □	+ □ □
6 0	□ □	□ □	□ □

□ □	□ □	□ □	□ □
+ □ □	+ □ □	+ □ □	+ □ □
□ □	□ □	□ □	□ □

2.

☁	■
+	■
★	☁

1 2	□ □	□ □	□ □
+ 2 9	+ □ □	+ □ □	+ □ □
4 1	□ □	□ □	□ □

□ □	□ □	□ □	□ □
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[5] 两位数加两位数是和是75的，有哪些不同的填法？请你填一填。

1. 不进位加法。

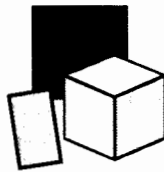
$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$
$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$

2. 进位加法。

$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$
$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$
$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$	$\begin{array}{r} \square \square \\ + \square \square \\ \hline 75 \end{array}$

# HOW To DRAW

Drawing an object begins with some basic shapes.  
Look around and you'll see them in everything.



Squares,  
Rectangles  
& Cubes



Circles,  
Ovals, &  
Spheres



Triangles,  
Cones &  
Pyramids



Curves & lines  
to connect the  
shapes



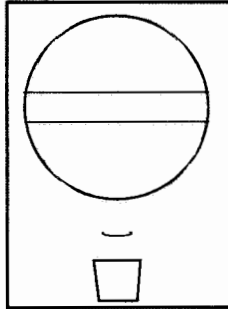
Use the shapes to  
draw anything, like  
this house.

## Let's Draw a Hot Air Balloon!

Start your drawing with very light pencil lines and darken them later.  
Use the light blue lines in the examples as a guide.

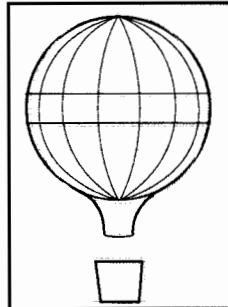
### Step 1

Draw a circle with two lines through the middle. Add a rectangle with a wide top underneath the circle. Add a curved line between the circle and the rectangle for the balloon neck.



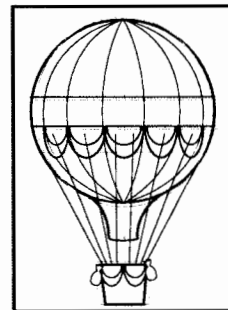
### Step 2

Draw curved lines inside the circle. The lines should get straighter toward the center of the circle. Add curved lines to connect the bottom of the balloon.



### Step 3

Add half circles across the middle of the circle and the rectangle basket. Draw straight lines to connect the basket with the balloon. Add small ovals to the basket for sandbags.



Now you have your drawing. Darken the lines you want to keep and gently erase any you don't want.  
Your balloon is ready to be colored.

